

1 61. (Twice Amended) The disk drive of claim 57, wherein the detection circuit  
2 includes a transition detector and a counter, and an output of the transition detector is  
3 coupled to an input of the counter.

1 94. (Twice Amended) The disk drive of claim 87, wherein the detection circuit  
2 includes a transition detector, a counter, and a memory, an output of the transition  
3 detector is coupled to an input of the counter, and outputs of the counter and the memory  
4 are coupled to an output of the detection circuit.

1 104. (Twice Amended) The disk drive of claim 97, wherein the detection circuit  
2 includes a transition detector, a counter, and a memory, an output of the transition  
3 detector is coupled to an input of the counter, and outputs of the counter and the memory  
4 are coupled to an output of the detection circuit.